

1.1 GENERAL FLOW OF OPERATION OF CNC MACHINE TOOL

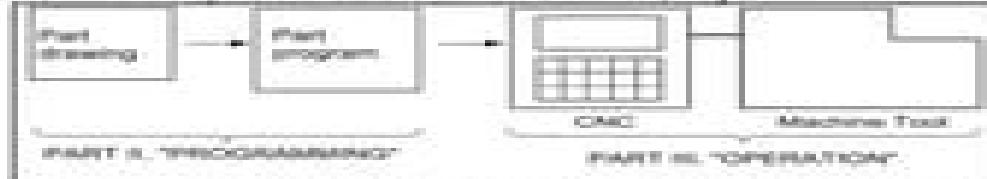
When machining the part using the CNC machine tool, first prepare the program, then operate the CNC machine by using the program.

(C13) First, prepare the program from a part drawing to operate the CNC machine tool. Then to prepare the program is described in the Part III, "Programming."

(C14) The program is to be read into the CNC system. Then, mount the workpiece and tools on the machine, and operate the tools according to the programming. Finally, execute the machining automatically.

(C15) How to execute the CNC system is described in the Part III, "Operations."

These responsibilities shall be carried out in accordance with the Part III, "Operations."



Before the actual programming, make the machining plan for how to machine the part. Machining plan:

1. Efficient execution of work policies, manufacturing manager
2. Self-made and managing; self-organized on the structure; self
3. Manufacturing organized in every existing processes
4. Creating stable and efficient conditions

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Cutting procedures	Cutting procedures		
	1 End face cutting	2 Outer diameter cutting	3 Grooving
1. Cutting method:			
Plunge			
Bore			
Planar			
2. Cutting tools:			
3. Cutting conditions:			
Feedrate			
Cutting depth			
4. Tool path:			

Cnc Manual 64304en

Bryan Hurst

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CNC Manual - CNC 112 ,2024-06 **Training Module for Using CNC Machines** ,2002 **Numerical Control Programming** George C. Stanton,1989-05-01 **The Journeyman's Guide to Cnc Machines** Bryan Hurst,2006-06-01 The Guide provides instruction in ISO code programming for Turning included are examples that will give an understanding of the principles to apply to any machine and control also featured are GE Fanuc and Siemens Controls The Guide lists functions and codes under the reference JG and provides space to include data for specific machines and controls Extensive examples show how to programme the options and features Component drawings have metric and imperial dimensions simply substitute the dimensions with those of the system of your choice The Guide is your starting point use the instructions and suggestions to build your own unique evolvable folder from here creating an invaluable personal handbook

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CNC Router Magnum CNC Industries,199? **Machining Center Programming** ,2013 CNC Machining Center Programming, Setup, and Operation Mike Lynch,2014-12-13 Note that this is the First Edition A Second Edition is also available If you want to learn safe proven and accepted methods for programming and operating CNC machining centers you can t afford to miss this Key Concepts approach to learning how to apply CNC machining centers in manufacturing The content utilizes this unique approach to introduce you to the method of programming and operation that can be applied to horizontal and vertical machining centers This essential 24 lesson tutorial offers step by step coverage of the most popular CNC equipment in a way that anyone can understand We do assume the student possesses knowledge of basic machining practices Whether you already work for a manufacturing company that uses CNC machining centers or if you are trying to learn about CNC this study manual will provide you with the skills you need to ensure correct operation of CNC machine tools Parametric Programming for CNC Machining and Turning Centers Manual Mike Lynch,1996-01-01 NC/CNC Machining II for Engineering Craftsmen Engineering Industry Training Board,1982

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web mar 29 2023 simple machines essay simple machines are discussed in this essay as they are an important aspect of our everyday lives these devices have the ability to apply force making work easier by allowing us to push or pull over increased distances